

GV-APOE0410-E 4-port Gigabit 802.3at and 2-port Gigabit SFP Industrial PoE

Switch



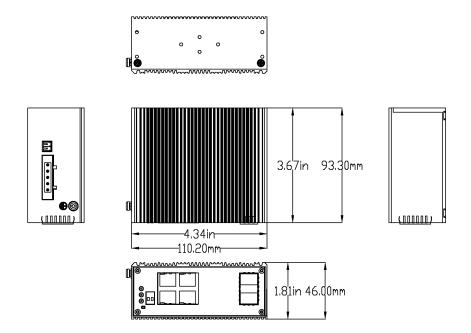
- 4-port PoE+ 10/100/1000 BaseT(X), 2-port Gigabit SFP
- IEEE 802.3at Compliant (4 Ports at Full 30 W)
- Max. 125 W power consumption
- Extreme temperature tolerance (-40 °C ~ 75 °C / -40 °F ~ 167 °F)
- Auto-MDI/MDI-X
- DIN-Rail Installation
- Redundant DC power
- Support for VLAN mode for network partition and enhanced performance
- Support for PD Alive Check
- PoE connection for network cables up to 250 m (820 ft) at 10
 Mbps transfer rate
- 4 kV surge protection
- Up to 4 GV-IP Camera support

Introduction

GV-APOE0410-E is an industrial-grade, unmanaged PoE switch with 4 PoE+ 10/100/1000 BaseT(X) ports and 2 Gigabit SFP ports. The switch supports IEEE 802.3at Power over Ethernet standard with up to 30 W per port and a maximum power consumption of 125 W. It not only eliminates the need for power cables to connect your powered devices (PD), such as IP cameras, but it also allows power supply over cables up to 250 m (820 ft) in length, at 10 Mbps.

The switch is ideal for small or medium network environments to strengthen network connection and efficiency. It includes the smart PD Alive Check feature and the option to isolate each PoE port for a faster forwarding rate of time.

Dimensions



GV-APOE0410-E March 3, 2023



Specifications

VLAN Ves Mechanical Characteristics LED Indicators POE per Port, SFP per Port, Power, DATA Electrical Characteristics Input Voltage Input Current Output A8 ~ 57 VDC, 50 ~ 60 Hz Input Current Output EEE 802.3ar Compliant Voltage, Per Port Max. 30 watts (4 Ports at Full 15.4 W / 4 Ports at Full 30 W) POE Mode Mode A Ports (1, 2- / 3, 6 +) Max. Power Consumption 125 W (427 BTU) POE Budget 120 W (409 BTU) Alarm Output 1 relay output, 1A, 24 V/DC Redundant DC Power General Dimensions (H x W x D) Weight 0.62 kg (1.37 lb) Operating Temperature -40 °C ~ 75 °C (-40 °F ~ 167 °F) Storage Temperature -40 °C ~ 80 °C (-40 °F ~ 176 °F) Storage Temperature -40 °C ~ 80 °C (-40 °F ~ 176 °F) Storage Temperature -40 °C ~ 80 °C (-40 °F ~ 176 °F) Sturge Protection Differential mode ±2KV, Common mode ±4KV Standards and Regulatory IEEE 802.3a flow control, back pressure flow control IEEE 802.3ar, flow control, back pressure flow control IEEE 802.3ar Energy Efficient Ethernet (EEE) CE, FCC Class A, UKCA, ROHS compliant	Specifications		
Number of Ports	Ethernet		
Performance	Layer Supported		L2
Number of Ports	Ports		
MAC Address 4K Buffer Memory 1.5 Mb Jumbo Frames 9 KB Transmission Method Store and Forward 10 BaseT Cat. 3, 4, 5 UTP 1000 BaseT Cat. 5, 5 UTP 1000 BaseT Cat. 3, 4, 5 UTP 1000 BaseT Cat. 3, 4, 5 UTP 1000 BaseT Cat. 5, 5 U	Number of Ports		4 PoE 10/100/1000 BaseT(X) RJ-45 PoE+ ports
Buffer Memory Jumbo Frames 9 KB Transmission Method Store and Forward 10 BaseT Cat. 3, 4, 5 UTP 100 BaseT X cat. 5, 5 UTP 100 BaseX Cat. MMF, 5MF Forwarding Rate 8.93 Mpps Backplane Capacity 12 Gbps PD Alive Check Yes CCTV Ves CCTV Ves CCTV Ves Mechanical Characteristics ELD Indicators ELD Indicators POE POWEY Input Current Output Via Pot Set Set Set Set Set Set Set Set Set Se	Performance		
Jumbo Frames Store and Forward Transmission Method Store and Forward 10 BaseT Cat. 3, 4, 5 UTP 1000 BaseT Cat. 5, 5e UTP 1000 BaseT Cat. 5e, 5 UTP 1000 BaseT Cat. 3e, 5 UTP 1000 BaseT Cat. 4e, 5 UTP	MAC Address		4K
Transmission Method Store and Forward 10 BaseT Cat. 3, 4, 5 UTP 1000 BaseT Cat. 5, 5 e UTP 1000 BaseT Cat. 5, 5, 5 UTP 1000 BaseT Cat. 6, 5 UTP 1000 BaseT Cat. 6 1000 BaseT	Buffer Memory		1.5 Mb
Transmission Media 10 BaseT Cat. 3, 4, 5 UTP 1000 BaseX Cat. 5, 5 UTP 1000 BaseX Cat. 5, 5 UTP 1000 BaseX Cat. MMF, SMF Forwarding Rate 8.93 Mpps Backplane Capacity 12 Gbps PD Alive Check Yes CCTV *When the CCTV function is enabled, PoE connection network cables can be extended to 250 m (820 ft) at 10 Mbps transmission rate VLAN Yes Wechanical Characteristics LED Indicators Input Voltage Input Voltage Input Current Output 12.5A@48VDC Output Max. Power Consumption PoE Mode Mode A Ports (1, 2-/3, 6+) Max. Power Consumption 125 W (427 BTU) PoE Budget 120 W (409 BTU) Alarm Output 1 relay output, 1A, 24 V/DC Redundant DC Power General Dimensions (H x W x D) 110 x 90 x 46 mm (4.3" x 3.5" x 1.8") Weight Octation Operating Temperature 40 °C ~ 75 °C (-40 °F ~ 176 °F) Storage Temperature 4-0 °C ~ 80 °C (-40 °F ~ 176 °F) Storage Temperature 4-0 °C ~ 80 °C (-40 °F ~ 176 °F) Storage Temperature 4-0 °C ~ 80 °C (-40 °F ~ 176 °F) Standards IEEE 802.3a LEEE 802.3a LEEE 802.3a LEEE 802.3c LEEE 802.3a LEEE 802.3a LEEE 802.3c LEEE 802.3a LEEE 802.3a LEEE 802.3c LEEE 802.3a LEEE 802.3c LEEE 802.3c	·		9 KB
Transmission Media	Transmission Method		Store and Forward
Backplane Capacity PD Alive Check Yes CCTV Yes When the CCTV function is enabled, PoE connection network cables can be extended to 250 m (820 ft) at 10 Mbps transmission rate VLAN Yes Mechanical Characteristics LED Indicators PoE per Port, SFP per Port, Power, DATA Electrical Characteristics Input Voltage Input Current Output IEEE 802.3at Compliant Voltage, Per Port Max. 30 watts (4 Ports at Full 15.4 W / 4 Ports at Full 30 W) PoE Mode Mode A Ports (1, 2- / 3, 6 +) Max. Power Consumption 125 W (427 BTU) PoE Budget 120 W (409 BTU) Alarm Output 1 relay output, 1A, 24 V/DC Redundant DC Power General Dimensions (H x W x D) 110 x 90 x 46 mm (4.3" x 3.5" x 1.8") Weight 0.62 kg (1.37 lb) Operating Temperature 40 °C ~ 75 °C (-40 °F ~ 176 °F) Storage Temperature 40 °C ~ 80 °C (-40 °F ~ 176 °F) Humidity S- 95% RH (non-condensing) Surge Protection Differential mode ±2KV, Common mode ±4KV Standards IEEE 802.3a; IEEE 802.3u, IEEE 802.3a, IEEE 802.3a, IEEE 802.3a; IE	Transmission Media		100 BaseTX Cat. 5, 5e UTP 1000 BaseT Cat. 5e, 5 UTP
PD Alive Check Yes When the CCTV function is enabled, PoE connection network cables can be extended to 250 m (820 ft) at 10 Mbps transmission rate VLAN Wechanical Characteristics LED Indicators PoE per Port, SFP per Port, Power, DATA Electrical Characteristics Input Voltage Input Current 2.5A@48VDC Output IEEE 802.3at Compliant Voltage, Per Port Max. 30 watts (4 Ports at Full 15.4 W / 4 Ports at Full 30 W) PoE Mode Max. Power Consumption 125 W (427 BTU) PoE Budget 120 W (409 BTU) Alarm Output 1 relay output, 1A, 24 V/DC Redundant DC Power General Dimensions (H x W x D) Weight 0.62 kg (1.37 lb) Operating Temperature -40 °C ~ 75 °C (-40 °F ~ 167 °F) Storage Temperature -40 °C ~ 75 °C (-40 °F ~ 167 °F) Storage Temperature -40 °C ~ 80 °C (-40 °F	Forwarding Rate		8.93 Mpps
Yes *When the CCTV function is enabled, PoE connection network cables can be extended to 250 m (820 ft) at 10 Mbps transmission rate VLAN **Mechanical Characteristics** LED Indicators PoE per Port, SFP per Port, Power, DATA Input Voltage			12 Gbps
*When the CCTV function is enabled, PoE connection network cables can be extended to 250 m (820 ft) at 10 Mbps transmission rate *VLAN *Yes *Mechanical Characteristics LED Indicators Input Voltage	PD Alive Check		Yes
Mechanical Characteristics	ССТУ		*When the CCTV function is enabled, PoE connection network cables can be extended up
Description	VLAN		Yes
Electrical Characteristics Input Voltage	Mechanical Character	istics	
PoE Power Input Voltage	LED Indicators		PoE per Port, SFP per Port, Power, DATA
PoE Power Input Current 2.5A@48VDC IEEE 802.3at Compliant Voltage, Per Port Max. 30 watts (4 Ports at Full 15.4 W / 4 Ports at Full 30 W)	Electrical Characterist	ics	
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PoE Budget Alarm Output 1 relay output, 1A, 24 V/DC Redundant DC Power Yes General Dimensions (H x W x D) 110 x 90 x 46 mm (4.3" x 3.5" x 1.8") Weight 0.62 kg (1.37 lb) Operating Temperature -40 °C ~ 75 °C (-40 °F ~ 167 °F) Storage Temperature -40 °C ~ 80 °C (-40 °F ~ 176 °F) Humidity 5 ~ 95% RH (non-condensing) Surge Protection Differential mode ±2KV, Common mode ±4KV Standards and Regulatory IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z IEEE802.3x flow control, back pressure flow control IEEE 802.3af/at IEEE 802.3az Energy Efficient Ethernet (EEE) CE, FCC Class A, UKCA, RoHS compliant	PoE Mode		Mode A Ports (1, 2- / 3, 6 +)
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			IEEE802.3x flow control, back pressure flow control IEEE 802.3af/at IEEE 802.3az Energy Efficient Ethernet (EEE)
Ground 4kV at RJ-45 ports	Certifications		IEC61000-4-5 (Surge) Lv.4:Line to Line 2kV, Line to Ground 2kV at DC-in and Line to

Note: Specifications are subject to change without prior notice.



Front Panel Back Panel





Accessories

Name	Details			
	FECE SV-LC 1000Base-SX SFP	The SFP transceiver complies with IEEE 802.3z 1000 BaseSX		
GV-LC		Ethernet and provides a media transmission distance of up		
		to 220 / 550 m.		
	71	The SFP transceiver complies with IEEE 802.3z 1000 BaseLX		
GV-LC10	FC C C GV-LC10 1000Base-LX SFP	Ethernet and provides a media transmission distance of up		
		to 10 km.		

Packing List

- 1. GV-APOE0410-E
- 2. Terminal Block x 2
- 3. Download Guide